

PCF/09 SAK

CRF Processing Date: 8/22/2001
Edited by: AK
Verified by: AK (STIC staff)

Serial Number: 09/786,130 ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/786,130

DATE: 08/22/2001
 TIME: 16:17:04

Input Set : A:\Pto.amc
 Output Set: N:\CRF3\08222001\I786130.raw

PS

5 <110> APPLICANT: TORIGOE, Kakuji
 7 TANIAI, Madoka
 9 KURIMOTO, Masashi
 13 <120> TITLE OF INVENTION: INTERLEUKIN-18-BINDING PROTEIN
 17 <130> FILE REFERENCE: TORIGOE=4
 21 <140> CURRENT APPLICATION NUMBER: 09/786,130
 23 <141> CURRENT FILING DATE: 2001-03-01
 27 <150> PRIOR APPLICATION NUMBER: PCT/JP98/05186
 29 <151> PRIOR FILING DATE: 1998-11-18
 33 <150> PRIOR APPLICATION NUMBER: JP 247,588/98
 35 <151> PRIOR FILING DATE: 1998-09-01
 39 <150> PRIOR APPLICATION NUMBER: JP 327,914/98
 41 <151> PRIOR FILING DATE: 1998-11-18
 45 <160> NUMBER OF SEQ ID NOS: 72
 49 <170> SOFTWARE: PatentIn version 3.0
 53 <210> SEQ ID NO: 1
 55 <211> LENGTH: 164
 57 <212> TYPE: PRT
 59 <213> ORGANISM: Homo sapiens
 63 <400> SEQUENCE: 1
 65 Thr Pro Val Ser Gln Thr Thr Thr Ala Ala Thr Ala Ser Val Arg Ser
 66 1 5 10 15
 68 Thr Lys Asp Pro Cys Pro Ser Gln Pro Pro Val Phe Pro Ala Ala Lys
 69 20 25 30
 71 Gln Cys Pro Ala Leu Glu Val Thr Trp Pro Glu Val Glu Val Pro Leu
 72 35 40 45
 74 Asn Gly Thr Leu Ser Leu Ser Cys Val Ala Cys Ser Arg Phe Pro Asn
 75 50 55 60
 77 Phe Ser Ile Leu Tyr Trp Leu Gly Asn Gly Ser Phe Ile Glu His Leu
 78 65 70 75 80
 80 Pro Gly Arg Leu Trp Glu Gly Ser Thr Ser Arg Glu Arg Gly Ser Thr
 81 85 90 95
 83 Gly Thr Gln Leu Cys Lys Ala Leu Val Leu Glu Gln Leu Thr Pro Ala
 84 100 105 110
 86 Leu His Ser Thr Asn Phe Ser Cys Val Leu Val Asp Pro Glu Gln Val
 87 115 120 125
 89 Val Gln Arg His Val Val Leu Ala Gln Leu Trp Ala Gly Leu Arg Ala
 90 130 135 140
 92 Thr Leu Pro Pro Thr Gln Glu Ala Leu Pro Ser Ser His Ser Ser Pro
 93 145 150 155 160
 95 Gln Gln Gln Gly
 98 <210> SEQ ID NO: 2
 100 <211> LENGTH: 165
 102 <212> TYPE: PRT
 104 <213> ORGANISM: Mus musculus
 108 <400> SEQUENCE: 2
 110 Thr Ser Ala Pro Gln Thr Thr Ala Thr Val Leu Thr Gly Ser Ser Lys

RAW SEQUENCE LISTING

DATE: 08/22/2001

PATENT APPLICATION: US/09/786,130

TIME: 16:17:04

Input Set : A:\Pto.amc

Output Set: N:\CRF3\08222001\I786130.raw

```

111 1          5          10          15
113 Asp Pro Cys Ser Ser Trp Ser Pro Ala Val Pro Thr Lys Gln Tyr Pro
114          20          25          30
116 Ala Leu Asp Val Ile Trp Pro Glu Lys Glu Val Pro Leu Asn Gly Thr
117          35          40          45
119 Leu Thr Leu Ser Cys Thr Ala Cys Ser Arg Phe Pro Tyr Phe Ser Ile
120          50          55          60
122 Leu Tyr Trp Leu Gly Asn Gly Ser Phe Ile Glu His Leu Pro Gly Arg
123 65          70          75          80
125 Leu Lys Glu Gly His Thr Ser Arg Glu His Arg Asn Thr Ser Thr Trp
126          85          90          95
128 Leu His Arg Ala Leu Val Leu Glu Glu Leu Ser Pro Thr Leu Arg Ser
129          100          105          110
131 Thr Asn Phe Ser Cys Leu Phe Val Asp Pro Gly Gln Val Ala Gln Tyr
132          115          120          125
134 His Ile Ile Leu Ala Gln Leu Trp Asp Gly Leu Lys Thr Ala Pro Ser
135          130          135          140
137 Pro Ser Gln Glu Thr Leu Ser Ser His Ser Pro Val Ser Arg Ser Ala
138 145          150          155          160
140 Gly Pro Gly Val Ala
141          165
143 <210> SEQ ID NO: 3
145 <211> LENGTH: 22
147 <212> TYPE: PRT
149 <213> ORGANISM: Homo sapiens
153 <220> FEATURE:
155 <221> NAME/KEY: misc_feature
157 <222> LOCATION: (6)..(8)
158 <223> OTHER INFORMATION: "Xaa" means an unidentified amino acid.
161 <220> FEATURE:
163 <221> NAME/KEY: misc_feature
165 <222> LOCATION: (11)
166 <223> OTHER INFORMATION: "Xaa" means an unidentified amino acid.
169 <220> FEATURE:
171 <221> NAME/KEY: misc_feature
173 <222> LOCATION: (13)
174 <223> OTHER INFORMATION: "Xaa" means an unidentified amino acid.
177 <220> FEATURE:
179 <221> NAME/KEY: misc_feature
181 <222> LOCATION: (16)..(17)
182 <223> OTHER INFORMATION: "Xaa" means an unidentified amino acid.
186 <400> SEQUENCE: 3
W--> 188 Thr Pro Val Ser Gln Xaa Xaa Xaa Ala Ala Xaa Ala Xaa Val Arg Xaa
189 1          5          10          15
W--> 191 Xaa Lys Asp Pro Cys Pro
192          20
194 <210> SEQ ID NO: 4
196 <211> LENGTH: 9
198 <212> TYPE: PRT

```

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/786,130

DATE: 08/22/2001
 TIME: 16:17:04

Input Set : A:\Pto.amc
 Output Set: N:\CRF3\08222001\I786130.raw

200 <213> ORGANISM: Homo sapiens
 204 <400> SEQUENCE: 4
 206 Gly Ser Thr Gly Thr Gln Leu Cys Lys
 207 1 5
 209 <210> SEQ ID NO: 5
 211 <211> LENGTH: 11
 213 <212> TYPE: PRT
 215 <213> ORGANISM: Homo sapiens
 219 <400> SEQUENCE: 5
 221 Glu Arg Gly Ser Thr Gly Thr Gln Leu Cys Lys
 222 1 5 10
 224 <210> SEQ ID NO: 6
 226 <211> LENGTH: 8
 228 <212> TYPE: PRT
 230 <213> ORGANISM: Homo sapiens
 234 <400> SEQUENCE: 6
 236 Leu Trp Glu Gly Ser Thr Ser Arg
 237 1 5
 239 <210> SEQ ID NO: 7
 241 <211> LENGTH: 15
 243 <212> TYPE: PRT
 245 <213> ORGANISM: Homo sapiens
 249 <220> FEATURE:
 250 <221> NAME/KEY: misc_feature
 252 <222> LOCATION: (6)..(8)
 253 <223> OTHER INFORMATION: "Xaa" means an unidentified amino acid.
 257 <400> SEQUENCE: 7
 W--> 259 Thr Pro Val Ser Gln Xaa Xaa Xaa Ala Ala Xaa Ala Xaa Val Arg
 260 1 5 10 15
 262 <210> SEQ ID NO: 8
 264 <211> LENGTH: 23
 266 <212> TYPE: PRT
 268 <213> ORGANISM: Homo sapiens
 272 <220> FEATURE:
 273 <221> NAME/KEY: misc_feature
 275 <222> LOCATION: (14)
 277 <223> OTHER INFORMATION: "Xaa" means an unidentified amino acid.
 280 <220> FEATURE:
 281 <221> NAME/KEY: misc_feature
 283 <222> LOCATION: (17)..(18)
 284 <223> OTHER INFORMATION: "Xaa" means an unidentified amino acid.
 288 <400> SEQUENCE: 8
 W--> 290 His Val Val Leu Ala Gln Leu Trp Ala Gly Leu Arg Ala Xaa Leu Pro
 291 1 5 10 15
 W--> 293 Xaa Xaa Gln Glu Ala Leu Pro
 294 20
 296 <210> SEQ ID NO: 9
 298 <211> LENGTH: 10
 300 <212> TYPE: PRT

RAW SEQUENCE LISTING

DATE: 08/22/2001

PATENT APPLICATION: US/09/786,130

TIME: 16:17:04

Input Set : A:\Pto.amc

Output Set: N:\CRF3\08222001\I786130.raw

302 <213> ORGANISM: Homo sapiens
 306 <220> FEATURE:
 308 <221> NAME/KEY: misc_feature
 310 <222> LOCATION: (8)..(9)
 311 <223> OTHER INFORMATION: "Xaa" means an unidentified amino acid.
 315 <400> SEQUENCE: 9
 W-> 317 Ala Leu Val Leu Glu Gln Leu Xaa Xaa Ala
 318 1 5 10
 320 <210> SEQ ID NO: 10
 322 <211> LENGTH: 29
 324 <212> TYPE: PRT
 326 <213> ORGANISM: Homo sapiens
 330 <220> FEATURE:
 332 <221> NAME/KEY: misc_feature
 333 <222> LOCATION: (13)..(15)
 335 <223> OTHER INFORMATION: "Xaa" means an unidentified amino acid.
 338 <220> FEATURE:
 340 <221> NAME/KEY: misc_feature
 341 <222> LOCATION: (17)..(18)
 343 <223> OTHER INFORMATION: "Xaa" means an unidentified amino acid.
 345 <400> SEQUENCE: 10
 W-> 347 Ala Leu Val Leu Glu Gln Leu Thr Pro Ala Leu His Xaa Xaa Xaa Phe
 348 1 5 10 15
 W-> 350 Xaa Xaa Val Leu Val Asp Pro Glu Gln Val Val Gln Arg
 351 20 25
 353 <210> SEQ ID NO: 11
 355 <211> LENGTH: 12
 357 <212> TYPE: PRT
 359 <213> ORGANISM: Homo sapiens
 363 <220> FEATURE:
 365 <221> NAME/KEY: misc_feature
 367 <222> LOCATION: (5)
 368 <223> OTHER INFORMATION: "Xaa" means an unidentified amino acid.
 371 <220> FEATURE:
 373 <221> NAME/KEY: misc_feature
 375 <222> LOCATION: (10)
 376 <223> OTHER INFORMATION: "Xaa" means an unidentified amino acid.
 380 <400> SEQUENCE: 11
 W-> 382 Gln Cys Pro Ala Xaa Glu Val Thr Trp Xaa Glu Val
 383 1 5 10
 385 <210> SEQ ID NO: 12
 387 <211> LENGTH: 7
 389 <212> TYPE: PRT
 391 <213> ORGANISM: Homo sapiens
 395 <400> SEQUENCE: 12
 397 Trp Glu Gly Ser Thr Ser Arg
 398 1 5
 400 <210> SEQ ID NO: 13
 402 <211> LENGTH: 6

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/786,130

DATE: 08/22/2001
 TIME: 16:17:04

Input Set : A:\Pto.amc
 Output Set: N:\CRF3\08222001\I786130.raw

404 <212> TYPE: PRT
 406 <213> ORGANISM: Homo sapiens
 410 <400> SEQUENCE: 13
 412 Leu Val Asp Pro Glu Gln
 413 1 5
 415 <210> SEQ ID NO: 14
 417 <211> LENGTH: 7
 419 <212> TYPE: PRT
 421 <213> ORGANISM: Homo sapiens
 425 <400> SEQUENCE: 14
 427 Ile Glu His Leu Pro Gly Arg
 428 1 5
 430 <210> SEQ ID NO: 15
 432 <211> LENGTH: 4
 434 <212> TYPE: PRT
 436 <213> ORGANISM: Homo sapiens
 440 <400> SEQUENCE: 15
 442 His Val Val Leu
 443 1
 445 <210> SEQ ID NO: 16
 447 <211> LENGTH: 7
 449 <212> TYPE: PRT
 451 <213> ORGANISM: Homo sapiens
 455 <400> SEQUENCE: 16
 457 Glu Gln Leu Thr Pro Ala Leu
 458 1 5
 460 <210> SEQ ID NO: 17
 462 <211> LENGTH: 8
 464 <212> TYPE: PRT
 466 <213> ORGANISM: Homo sapiens
 470 <400> SEQUENCE: 17
 472 Ile Glu His Leu Pro Gly Arg Leu
 473 1 5
 475 <210> SEQ ID NO: 18
 477 <211> LENGTH: 6
 479 <212> TYPE: PRT
 481 <213> ORGANISM: Homo sapiens
 485 <220> FEATURE:
 487 <221> NAME/KEY: misc_feature
 489 <222> LOCATION: (2)
 490 <223> OTHER INFORMATION: "Xaa" means an unidentified amino acid.
 493 <220> FEATURE:
 495 <221> NAME/KEY: misc_feature
 497 <222> LOCATION: (5)
 498 <223> OTHER INFORMATION: "Xaa" means an unidentified amino acid.
 502 <400> SEQUENCE: 18
 504 Tyr Xaa Leu Gly Xaa Gly
 505 1 5
 507 <210> SEQ ID NO: 19

Use of n and/or Xaa has been detected in the Sequence Listing.
 Review the Sequence Listing to insure a corresponding
 explanation is presented in the <220> to <223> fields of
 each sequence using n or Xaa.

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/786,130

DATE: 08/22/2001
TIME: 16:17:05

Input Set : A:\Pto.amc
Output Set: N:\CRF3\08222001\I786130.raw

L:188 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:191 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:259 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:290 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:293 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:347 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:350 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:382 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:504 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:559 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:583 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:623 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:655 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:694 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:726 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:749 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:803 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:1620 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:50
L:1635 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:51
L:1654 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:52
L:1673 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:53
L:1695 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:54
L:1714 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:55
L:1732 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:56
L:1757 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:57
L:1775 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:58
L:1793 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:59
L:1811 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:60
L:1829 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:61
L:1847 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:62
L:1865 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:63
L:1907 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
L:1916 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:64
L:1943 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64
L:1952 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:65
L:1978 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65
L:1987 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:66
L:2005 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:67
L:2023 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:68
L:2041 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:69
L:2059 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:70
L:2077 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:71
L:2095 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:72